# PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 648 AND MARLEY STATION RD./MARLEY NECK BLVD. IN ANNE ARUNDEL COUNTY. THE WORK IS NECESSITATED BY LANE USE REVISIONS AND THE UPGRADE OF PEDESTRIAN FACILITIES. MD 648 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

#### INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES IN A NEMA SIX-PHASE, FULLY-ACTUATED MODE WITH EXCLUSIVE-PERMISSIVE LEFT TURN PHASES FOR NORTHBOUND AND SOUTHBOUND MD 648 AND SIDE STREET SPLIT PHASING. THE ALTERNATE PEDESTRIAN PHASES FOR THE NORTH AND SOUTH LEG OF MD 648 AND THE CONCURRENT PEDESTRIAN PHASE FOR THE EAST LEG (MARLEY NECK BLVD.) AND WEST LEG (MARLEY STATION RD.) WILL REMAIN.

#### CONTROLLER REQUIREMENTS

THE EXISTING EIGHT-PHASE, FULLY-ACTUATED CONTROLLER HOUSED IN A BASE MOUNTED CABINET WILL BE USED.

#### EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY THE SHA AND INSTALLED BY THE CONTRACTOR

<u>QUANTITY</u> NONE

# EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR, ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO THE OFFICE OF TRAFFIC AND SAFETY FOR APPROVAL PRIOR TO INSTALLATION.

#### QUANTITY MAINTENANCE OF TRAFFIC 7 CY TEST PIT EXCAVATION 1925 LF 1815 LF 1445 LF 160 LF 3 EA

<u>DESCRIPTION</u>

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5 IN. WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING 5 IN. YELLOW HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING

12 IN. HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING 24 IN. HEAT APPLIED WHITE THERMOPLASTIC PAVEMENT MARKING

HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROW 8 EA L.E.D. 16 IN. COUNTDOWN PEDESTRIAN

8 EA AUDIBLE /TACTILE PEDESTRIAN PUSHBUTTON AND SIGN

8 CY CONCRETE FOUNDATION FOR SIGNAL

7 EA 10 FT. BREAKAWAY PEDESTAL POLE

2 EA CONDUIT BEND IN EXISTING FOUNDATION REMOVE AND DISPOSE OF MATERIAL AND EQUIPMENT

3 EA VIDEO DETECTION CAMERA AND CABLE (TERRA)

945 LF ELECTRICAL CABLE 2 - CONDUCTOR (NO. 14 A.W.G.)

1170 LF ELECTRICAL CABLE 5 - CONDUCTOR (NO. 14 A.W.G.)

130 LF STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)

5 EA 3/4 IN. X 10 FT. GROUND ROD

10 LF 1 IN. DETECTOR SLEEVE FLEXIBLE, LIQUID-TIGHT CONDUIT 140 LF 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED

100 LF 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED

180 LF 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - SLOTTED

7 EA CUT, CLEAN, GALVANIZE, AND CAP TRAFFIC SIGNAL STRUCTURE

5 EA ELECTRICAL HANDHOLE

35 LF WOOD SIGN SUPPORTS 4 IN. X 6 IN. 1 EA

M4-6 (24" x 12") SIGN - WOOD POST MOUNT 1 EA M4-6(1) (24" x 12") SIGN - WOOD POST MOUNT

1 EA R3-9b (24" x 36") SIGN - WOOD POST MOUNT

1 EA R3-9a (30" x 36") SIGN - WOOD POST MOUNT

4 EA RELOCATE EXISTING SIGN AND SUPPORT 2 EA RELOCATE EXISTING SIGNAL HEAD

715 LF DISCONNECT, PULL BACK AND REROUTE CABLE

70 LF SAWCUT

## CONTACT PERSONS FOR DISTRICT 5 ARE AS FOLLOWS:

MRS. KIM TRAN ASSISTANT DISTRICT ENGINEER - TRAFFIC

MR. MIKE HUBER

UTILITY ENGINEER (410) 841-1039

(410) 841-1003

### CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

MR. AVIJIT MAJI CHIEF, TRAFFIC OPERATIONS (410) 787-7630

MR, ROBERT SNYDER ASSISTANT DIVISION CHIEF. TRAFFIC OPERATIONS

MR. ED RODENHIZER

CHIEF -- SIGNAL OPERATIONS SECTION

(410) 787-7652

(410) 787-7631

ASSISTANT DISTRICT ENGINEER - MAINTENANCE (410) 841-1002

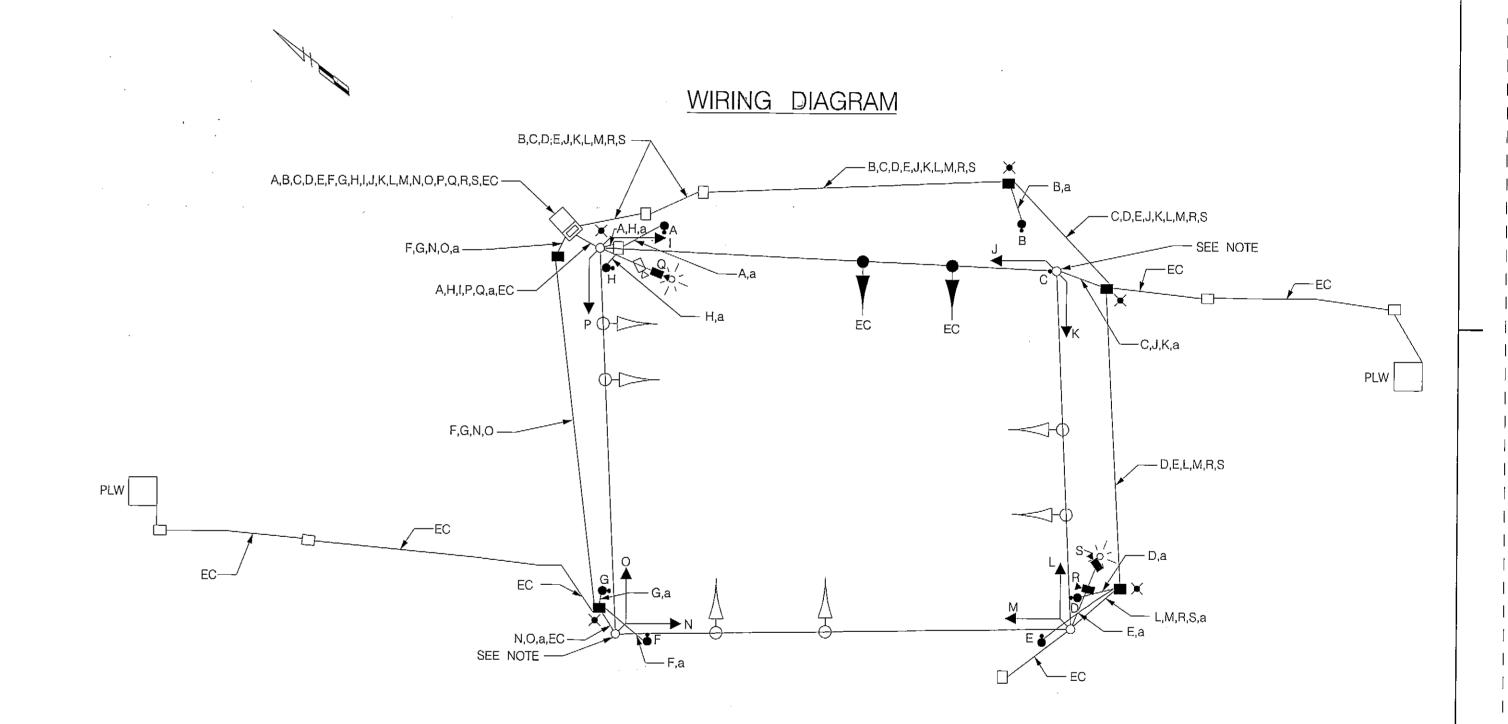
# MR. EUGENE BAILEY

TEAM LEADER SIGN OPERATIONS (410) 787-7676

MR. MIKE STOCKER SUPPLY OFFICE SIGNAL SHOP WAREHOUSE (410) 787-7668

PHASE CHART

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FLASHING OPERATION	FLY	FLY	FLY	FLY	FLR	FLR	FLR	·FLR	DARK	<del>                                     </del>							



NOTE:

DISCONNECT EXISTING LOOP DETECTOR CABLE FROM THE EXISTING LOOP DETECTOR ON MD 648 AND PULL BACK TO THIS POINT. REINSTALL CABLE THROUGH NEW CONDUIT TO THE PROPOSED LOOP DETECTOR.

#### WIRING KEY

GROUND ROD

2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A,W,G.) 5-CONDUCTOR ELECTRICAL CABLE

(NO. 14 A.W.G.) VIDEO DETECTION CABLE

STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.) PROPOSED LOOP WIRE EXISTING CABLE

SHA TRACKING NO. 12-APAA002XX

DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION MD 648 AND MARLEY STATION RD./ MARLEY NECK BLVD. GLEN BURNIE, MARYLAND

STATE OF MARYLAND

# TRAFFIC CONCEPTS, INC.

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DATE: Tuesday, November 27, 2012 AT 12:18 PM

GENERAL INFORMATION PLAN SCALE NONE DATE 10-29-2012 CONTRACT NO. BW996M82 DESIGNED BY \_\_\_\_\_ M. ROSEN ANNE ARUNDEL DRAWN BY M. ROSEN 03864801.07 LOGMILE CHECKED BY \_\_\_\_\_K.SCHMID T.I.M.S. NO. F.A.P. NO. DRAWING NO. TS-3378E GI SHEET NO. 2 OF 3

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